

### Abstract of the Disclosure

A lithium secondary battery includes an electrode body obtained by winding or laminating a positive electrode and a negative electrode via a separator, and a non-aqueous electrolytic solution containing a lithium compound as the electrolyte. The non-aqueous electrolytic solution contains water ( $H_2O$ ) and hydrofluoric acid (HF) in a total concentration of 10,000 ppm or less. Owing to the restriction of the total concentration of water and hydrofluoric acid contained in the non-aqueous electrolytic solution, the lithium secondary battery can suppress the deterioration of battery properties caused by the water and hydrofluoric acid and has excellent cycle property and reliability.

15

090808 101100